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metals selected from the group consisting of Au, Al, Cu, Ni,
Pd, Pt, Ti, Mo, W, Nb, and Mn.

REMARKS

Reconsideration and allowance of the pending claims is respectfully requested.

Claims 1-3 and 22-23 are pending in the present application, with Claim 23 being the sole independent claim. Claims 1, 3 and 22 have been amended.

Claims 2-3 and 22-23 are rejected under 35 U.S.C. § 103(a) as obvious over U.S. Patent No. 5,545,613 (Yurek, et al.). Claim 1 is rejected under 35 U.S.C. § 103(a) as obvious over Yurek, et al. in view of U.S. Patent No. 5,512,538 (Den, et al.). Applicant respectfully traverses these rejections.

The rejection of Claims 2-3 and 22-23 as obvious over Yurek et al. is considered improper because of the failure to cite a reference to support the allegation that it was well-known in the art to ensheath superconducting oxides in copper, gold, aluminum, or an alloy thereof. Applicant traverses this assertion, and respectfully requests that a secondary reference be provided in support of this allegation. See 37 C.F.R. 1.104(d) (2) and MPEP 2144.03.

Claim 23 provides that the oxide superconductor coated by the conductive material has gaps or voids which are filled and, accordingly, the material is solid, rather than hollow. This is supported by the disclosure found in Figure 1. Yurek, et al. discloses a tube consisting of metal or a metal alloy having a coating of a superconducting oxide on the inside or outside surface of the tube, or both. Any of these embodiments would result in a hollow wire, not a solid one, as is disclosed in the presently claimed invention.

With respect to Claim 1, Den, et al. does not remedy the deficiencies of Yurek, et al., as set forth above. Den, et al. discloses an Ln-Sr-Cu-M-O superconducting oxide, but does not teach or suggest mixing the oxide with a metallic material, or providing an outer coating of a conductive material that has a higher melting point than the metallic material.

Favorable reconsideration of the present application and prompt passage to issue are respectfully requested.

Applicant's undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

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